

Listing of Claims:

1. (Currently amended) A method of triggered ultrasound imaging of the heart of a human or non-human animal subject wherein cardiac arrhythmia is minimized, wherein the subject is administered with an ultrasound contrast agent, the method comprising the step of operating an ultrasound machine used for said imaging by initiating one high-energy ultrasound pulse or a sequence of high energy ultrasound pulses such that this one pulse or the first pulse of said sequence coincides with the R-wave of an ECG of the heart and ending this just before a T-wave of the ECG, and a further step of initiating low energy imaging pulses after the one high energy ultrasound pulse or the sequence of high energy pulses, wherein the low energy imaging pulses are initiated at or around a the T-wave of an ECG of the heart where the high energy ultrasound pulse or sequence of high energy ultrasound pulses end.

2. – 4. Cancelled

5. (Cancelled).

6. (Cancelled).

7. (Previously presented) A method as claimed in claim 1, wherein the ultrasound imaging technique used is selected from destruction-wash-in imaging, triggered replenishment imaging and real-time perfusion imaging.

8. (Previously presented) A method as claimed in claim 1, further comprising the step of assessing myocardial perfusion.

9. - 11. Cancelled